

Charge to Review Committee
Instrument Baseline Design Review

The baseline design review is intended to be a technical, cost, and schedule evaluation and should aim to answer, to the extent possible in the limited time, the following questions:

Have the design requirements been identified and documented?

(Based on scientific goals set forth by the Instrument Design Team (IDT))

Have the system interfaces been established?

(Between separate parts of the SNS project, and between the IDT and SNS)

Is the current design status adequate to establish a cost and schedule baseline?

(Is the concept finalized, are there viable if not optimal solutions for all major issues, are plans in place for resolving remaining issues and for completing optimization)

Does the present design meet the requirements?

Is the cost estimate appropriate for the scope of work indicated?

(Is there sufficient back-up material to justify the cost estimate, have some items been overlooked, are there opportunities for cost reductions that should be considered)

Is the schedule appropriate for the scope of work indicated?

(Are the effort estimates reasonable for the tasks, have some tasks been overlooked, are there opportunities for schedule acceleration that should be considered)

Is there a good balance of cost and performance, are there elements of the instrument whose cost are not reflected in the scientific performance or are there significant enhancements that would yield additional benefit that are missing?

If there are unresolved issues that may be expected to have significant cost or schedule impact they should be noted.

Any other comments or suggestions are also welcome.

We would like to have the committee's written report by Mid-April.